

Reactions Homework

- a) carbon dioxide gas is bubbled through a concentrated solution of sodium hydroxide.
- b) chlorine gas is bubbled into a cold solution of dilute sodium hydroxide.
- c) a solution of ammonium sulfate is added to a potassium hydroxide solution.
- d) a solution of ammonium sulfate is added to a saturated solution of barium hydroxide.
- e) solid sodium dichromate is added to an acidified solution of sodium iodide.
- f) a drop of potassium thiocyanate is added to a solution of iron(III) chloride.
- g) ethanol is completely burned in air.
- h) hydrogen gas is passed over hot chromium(V) oxide.
- i) dilute sulfuric acid is added to solid calcium fluoride.
- j) solid ammonium carbonate is heated.
- k) a concentrated solution of ammonia is added to a suspension of zinc hydroxide.
- l) dilute hydrochloric acid is added to a dilute solution of mercury(I) nitrate.
- m) calcium metal is added to warm water.
- n) dilute sulfuric acid is added to a solution of lithium hydrogen carbonate.
- o) ethanol and formic acid (methanoic acid) are mixed and warmed.
- p) excess concentrated potassium hydroxide solution is added to a precipitate of zinc hydroxide.
- q) the gases boron trifluoride and ammonia are mixed.
- r) a solution of tin(II) chloride is added to a solution of iron(III) sulfate.